2014 Institute for Data Intensive Engineering and Science (IDIES)
1ST Annual Symposium
October 17, 2014 8:00 – 5:00
Homewood – Mudd Hall Auditorium

8:00 a.m.	**Continental Breakfast – Check In**
9:00 a.m.	**Data Intensive Science At JHU: The First Year Of IDIES** **S. Alexander Szalay, PhD,** Director IDIES, Professor Astrophysics & Computer Science, Johns Hopkins University
9:20 a.m.	**The New High Performance Research Computing Facility** **Jaime E. Combariza, PhD,** Director Bayview HPCRF, Associate Research Scientist, Chemistry, Johns Hopkins University
9:40 a.m.	**The World's Largest Data Science Educational Effort: The Johns Hopkins Data Science Specialization** **Jeffrey T. Leek, PhD,** Associate Professor, Biostatistics and Oncology, Johns Hopkins Bloomberg School of Public Health
9:55 a.m.	***Break***
10:15 a.m.	**Hopkins In Health; Fostering The Intelligent Use Of information To Advance Health** **Scott Zeger, PhD,** Professor of Biostatistics, Bloomberg School of Public Health
10:30 a.m.	**KEYNOTE SPEAKER** **Paul Ginsparg, PhD**, Professor of Physics and Information Science, Cornell University
11:15 a.m.	**Accessible, Transparent, And Reproducible Genomics With Galaxy** **James Taylor, PhD,** Ralph S. O'Connor Associate Professor of Biology & Computer Science at Johns Hopkins University
11:30 a.m.	**Highlights In Big Data From Sheridan Libraries** **G. Sayeed Choudhury, PhD,** Associate Dean for Research Data Management, Johns Hopkins University
11:45 a.m.	**Highlights In Big Data From the School of Public Health** **Roger Peng, PhD,** Associate Professor Biostatistics, Bloomberg School of Public Health, Johns Hopkins
12:00 p.m.	***Lunch***
1:00 p.m.	**Highlights From Data Intensive Research At WSE And First IDIES Seed Funding Program** **Charles Meneveau, PhD,** Professor, Mechanical Engineering, Whiting School of Engineering, Johns Hopkins
1:15 p.m.	**The IDIES Annual Seed Funding Program** • *SIRENIC: Stream Infrastructure for the Real-time Analysis of Intensive Care Unit Sensor Data* – **Yanif Ahmad, PhD,** Assistant Professor, Computer Science, Johns Hopkins University • *Alignment to The Cancer Genome Atlas Project Raw Sequencing Reads (8948 samples and counting)* - **Sarah J. Wheelan, MD, PhD,** Assistant Professor, Oncology Bioinformatics, Johns Hopkins University • *The Elusive Onset of Turbulence And The Laminar-Turbulence Interface* – **Tamer Zaki, PhD,** Associate Professor, Mechanical Engineering, Johns Hopkins University • *Highly Scalable Software for Analyzing Large Collections of RNA Sequencing Data* – **Benjamin Langmead, PhD,** Assistant Professor, Computer Science, Johns Hopkins University • *FragData—High-fidelity Data on Dynamic Fragmentation of Brittle Materials* – **Nitin P. Daphalapurkar, PhD,** Assistant Research Professor, Mechanical Engineering, Johns Hopkins University
2:30 p.m.	***Break***
2:50 p.m.	**Big Data: Opportunities And Challenges In Health Care** **Patricia M. Davidson, PhD, MEd, RN, FAAN,** Dean, Johns Hopkins School of Nursing
3:05 p.m.	**Highlights In Big Data From SOM** **Steven L. Salzberg, PhD,** Professor, Departments of Medicine & Biostatistics, Johns Hopkins University
3:20 p.m.	**KEYNOTE SPEAKER** **What is the Big Data Problem in Biology?** **David J. Lipman, MD,** Director, National Center for Biotechnology Information (NCBI), National Institutes of Health (NIH)
4:05 p.m.	**Closing Remarks** **S. Alexander Szalay, PhD,** Director IDIES, Professor Astrophysics & Computer Science, Johns Hopkins University
4:10 p.m.	**Poster Session and Cocktail Hour** – Mudd Hall Commons – Upper Level